

NEW ABSTRACT

An electronic device has first and second wireless transceiver modules using first and second communication protocol, respectively. Both wireless transceiver modules are coupled between an application layer and an at least partially shared physical layer of the electronic device. The second wireless transceiver module is equipped with a controller to avoid interference with external signals on a frequency used by the second communication protocol. To avoid destructive interference in the physical layer resulting from simultaneous communications from or to the first and second wireless transceiver modules, the electronic device further includes a mediator, which is responsive to an enabled communication involving the first wireless transceiver module, and which feeds a blocking signal into the controller to avoid interference between the enabled communication and a transmission of the second wireless transceiver module.